

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takashi NORO et al.

Application No.: New U.S. National Stage of
PCT/JP03/013431

Filed: April 18, 2005

Docket No.: 123531

For: APPARATUS FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR
STRUCTURE AND METHOD FOR COATING OUTER PERIPHERAL SURFACE OF
PILLAR STRUCTURE

**TRANSMITTAL OF POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR § 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignee.

In compliance with 37 CFR §3.73(b), the undersigned hereby states that NGK
INSULATORS, LTD. is the assignee of the entire right, title and interest in the patent application
identified above by virtue of an assignment from the inventors of the patent application identified
above. A copy of the assignment is attached hereto.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. (25944) TELEPHONE
(703) 836-6400.**

Respectfully submitted,

Eric D. Morehouse
Registration No. 38,565

EDM/crh

Date: April 18, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**GENERAL POWER OF ATTORNEY
TO PROSECUTE APPLICATIONS BEFORE
THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Assignee Name and Address: NGK Insulators, Ltd.
2-56, Suda-cho, Mizuho-ku, Nagoya-city
Aichi-prefecture, 467-8530 Japan

appoints the patent practitioners associated with Oliff & Berridge, PLC Customer
Number (25944) to represent it before the United States Patent and Trademark Office in
connection with any and all U.S. patent applications assigned to the above-named assignee.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

October 28, 2004
Date

Takafumi Hochi
Signature

Typed Name: Takafumi Hochi

Title: General Manager, Legal Affairs &
Intellectual Property Department

ASSIGNMENT

22 of 2008, 103
W-1-0852 US(PT)

(1-8) Insert Name(s) of Inventor(s) (2) Takashi NORO (5) _____
(3) Takahisa KANEKO (6) _____
(4) _____ (7) _____
(8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) NGK Insulators, Ltd.
(10) Insert Address of Assignee (10) 2-56, Suda-cho, Mizuho-ku, Nagoya-city,
Aichi-prefecture, 467-8530 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) APPARATUS FOR COATING OUTER PERIPHERAL SURFACE
OF PILLAR STRUCTURE AND METHOD FOR COATING OUTER
PERIPHERAL SURFACE OF PILLAR STRUCTURE
(Attorney Docket No. _____)

for which the undersigned has (have) executed an application for patent in the United States of America on even date here with or

(12) Insert Date of Signing of Application (12) on _____

(13) Alternative Identification for filed applications (13) U.S. application Serial Number _____
filed _____

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 25, 2005</u>	Inventor Signature	<u>Takashi Noro</u>	(SEAL)
Date	<u>March 25, 2005</u>	Inventor Signature	<u>Takahisa Kaneko</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

Docket No.:

APPLICATION FOR UNITED STATES PATENT
DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor

(if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
APPARATUS FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE
AND METHOD FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE

described and claimed in the specification:

Check one

- *a. ☐ attached hereto.
 b. ☐ filed on _____ as Application No. _____ and amended on _____ (if applicable).
 c. ☒ described and claimed in PCT International Application No. PCT/JP03/13431 filed on Oct. 21, 2003 and
 as amended under PCT Article 19/34 on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

Under Title 35, U.S.C. §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

✓ Japanese Patent Application No. 2002-306708 filed on October 22, 2002.

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, P.L.C., P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-03
 Typewritten Full Name
 of First or Sole Inventor

Takashi

Given Name

Middle Initial

NORO

Family Name

2 **Inventor's Signature:

Takashi Noro

3 **Date of Signature:

March

25th

2005

Month

Day

Year

Residence:

Nagoya-city,

Aichi-prefecture,

Japan JPK

City

State or Province

Country

Citizenship:

Japanese

Post Office Address:

(Insert complete

mailing address,

including country)

c/o NGK Insulators, Ltd.,

2-56, Suda-cho, Mizuho-ku, Nagoya-city,

Aichi-prefecture, 467-8530 Japan

*If Box (a) is checked, this form may be executed only when attached to the specification (including claims).
 **Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

Use this page in a sole inventor application.

REC'D PTO

18 APR 2005

02P00351 US
WA - 0852 US (P)2-0 Typewritten Full Name
of Second Joint Inventor (if any)

- 2 **Inventor's Signature:
3 **Date of Signature:

Given Name	Middle Initial	Family Name
Takahisa		KANEKO
March	25th,	2005
Month	Day	Year
Nagoya-city,	Aichi-prefecture, JPX	Japan
City	State or Province	Country

Residence:

Citizenship: Japanese

Post Office Address:
(Insert complete
mailing address,
including country)

c/o NGK Insulators, Ltd.,
2-56, Suda-cho, Mizuho-ku, Nagoya-city,
Aichi-prefecture, 467-8530 Japan

1 Typewritten Full Name
of Third Joint Inventor (if any)

- 2 **Inventor's Signature:
3 **Date of Signature:

Given Name	Middle Initial	Family Name
Month	Day	Year

Residence:

Citizenship:

Post Office Address:
(Insert complete
mailing address,
including country)

1 Typewritten Full Name
of Fourth Joint Inventor (if any)

- 2 **Inventor's Signature:
3 **Date of Signature:

Given Name	Middle Initial	Family Name
Month	Day	Year

Residence:

Citizenship:

Post Office Address:
(Insert complete
mailing address,
including country)

1 Typewritten Full Name
of Fifth Joint Inventor (if any)

- 2 **Inventor's Signature:
3 **Date of Signature:

Given Name	Middle Initial	Family Name
Month	Day	Year

Residence:

Citizenship:

Post Office Address:
(Insert complete
mailing address,
including country)

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.

This form may be executed only when attached to the first page of the Declaration form of the application to which it pertains.